

Ophthalmology Times

Research Scholar

Honoree Program

2018



October 25, 2018 — Hyatt Regency McCormick Place, Chicago

This medical education program is supported through unrestricted educational grants from Regeneron Pharmaceuticals and Carl Zeiss Meditec, Inc.

Learning Method and Medium

This educational activity consists of research, abstract submissions, live presentations, and enduring article distribution.

This is a non-accredited educational activity.

Activity Description

This activity uses an expert panel of judges to provide insight and feedback to fellows and residents on research abstracts, live presentations, and what the research contributes to the retinal community.

Target Audience

This educational activity is intended for retina fellows and residents.

Learning Objectives

Upon completion of this program, participants will be better able to:

- Recognize unique and notable research in the area of retinal disease;
- Identify areas of emerging treatment options;
- Apply new information acquired to improve patient outcomes.

Grantor Statement

This educational activity is supported through an unrestricted educational grant from Regeneron Pharmaceuticals and from Carl Zeiss Meditec, Inc.

Disclosures

Harry W. Flynn Jr. , MD has no relevant disclosures.

Judy E. Kim, MD has a financial agreement or affiliation during the past year with the following commercial interests in the form of:

Advisory Boards: Alimera Science, Bausch and Lomb, Carl Zeiss, Eye Point, Gemini Therapeutics, Genentech, Kodiak, Notal Vision

Research Support: Notal Vision, Optos

Darius M. Moshfeghi, MD has a financial agreement or affiliation during the past year with the following commercial interests in, the form of:

Advisory Boards: 1800 Contacts, Alcon, dSenz, Iconic Therapeutics, Novartis, Pr3vent, Promisight, Pykus, Visunex

Consultant: Alcon, Congruence Medical Solutions, dSenz, Genentech, Regeneron, Vindico

Equity: dSenz, InSitu Therapeutics, Krypton Vision, Pr3vent, Promisight, Pykus, Versl, Visunex

Rishi P. Singh, MD has a financial agreement or affiliation during the past year with the following commercial interests in the form of:

Consultant: Alcon, Regeneron, Genentech, Biogen, Zeiss, Optos

Research Support: Regeneron, Genentech, Apellis, Alcon

Charles C. Wykoff, MD, PhD has a financial agreement or affiliation during the past year with the following commercial interests in the form of:

Investigator/Research Support: Adverum Biotechnologies, Aerpio Therapeutics, Alcon Laboratories, Allegro, Allergan, Apellis Pharmaceutical, Genentech, Heidelberg Engineering; NEI, Novartis, Ophthotech Corp, Regeneron Pharmaceuticals, Roche, Taiwan Liposome Company, Tyrogenex

Consultant: Alimera Sciences, Allergan, Bayer, Clearside Biomedical, DORC International, EyePoint (formerly pSivida), Genentech, Kodiak Sciences, Novartis, ONL Therapeutics, Regeneron Pharmaceuticals, Roche, Santen

Speaker: Regeneron Pharmaceuticals

***Ophthalmology Times* Editorial Support Disclosures**

Peter J. McDonnell, MD, has a financial agreement or affiliation during the past year with the following commercial interests in the form of:

Board of Directors: Allergan, Plc.

Sheryl Stevenson has no relevant commercial relationships

Michelle Dalton, ELS, has no relevant commercial relationships.

About the Program

This program is dedicated to the education of fellows and residents and offers a unique opportunity to share notable retina research with peers and mentors. This program is supported by unrestricted grants from Regeneron Pharmaceuticals and Carl Zeiss Meditec, Inc.

Program Description

Ophthalmology Times requested ophthalmic institutions to nominate fellows and residents involved in unique/notable research in retinal disease. Qualifying fellows and residents have been asked to submit an abstract, a short summary, and a presentation to include what the research contributes to the retinal community. All submissions have

been reviewed by a panel of expert judges, and the top research submissions have been invited to present here today in Chicago. Today's presentations and feedback provided by our expert panel of judges, promises to provide all attendees with a rich educational experience.

Opening up the awards portion of the day will be a keynote address given by Harry W. Flynn, Jr., MD. At the conclusion of today, the Top 5 Finalists will be selected and will be featured in a supplement of OLSI Retina (targeted in 2019). To make this valuable education available to a broader audience, all of those selected to present here today will be published online within ophthalmologytimes.com and the summaries will be featured in an edition of *Ophthalmology Times*.



Peter J. McDonnell, MD

Director of The Wilmer Eye Institute; William Holland Wilmer Professor of Ophthalmology; Chief Medical Editor, *Ophthalmology Times*



Sheryl Stevenson

Group Editorial Director, UBM Medica, *Ophthalmology Times*





Rishi P. Singh, MD (Program Chair) is a staff surgeon at the Cole Eye Institute, Cleveland Clinic and Associate Professor of Ophthalmology at the Lerner College of Medicine in Cleveland Ohio. He also currently

serves as the medical director of informatics at the Cleveland Clinic. He received his bachelors and medical degrees from Boston University and completed his residency at the Massachusetts Eye and Infirmary Harvard Combined Program in Boston, Massachusetts. Dr. Singh then completed a medical and surgical fellowship at the Cole Eye Institute in Cleveland, Ohio.

He specializes in the treatment of medical and surgical retinal disease such as diabetic retinopathy, retinal detachment, and age-related macular degeneration. Dr. Singh has authored greater than 110 peer reviewed publications, books, and book chapters and serves as the principal investigator of numerous national clinical trials advancing the treatment of retinal disease. He is frequently invited to speak at national and international meetings, as well as continuing medical education seminars.

Dr. Singh is the current president on the Retina World Congress and is on the board of the American Society of Retina Specialists. Dr. Singh is the associate editor of Ophthalmic Surgery, Lasers and Imaging Retina Journal (OSLI-Retina) and as the editor of the American Journal of Ophthalmic Clinical Trials. He maintains a strong relationship with drug development and commercial entities by serving on scientific advisory boards.

Dr. Singh's current work focuses on the electronic medical records implementation, big data analyses, machine learning, lean process improvement, and decision support modules for clinical practice. Dr. Singh has been honored with several research recognitions such as the Alpha Omega Alpha Research Award and American Society of Retina Specialists Senior Honor Award, and the American Society of Retina Specialists Young Investigator Award.



Harry W. Flynn Jr., MD is the J. Donald M. Gass Distinguished Chair in Ophthalmology at the University of Miami, Miller School of Medicine. He is Professor of Ophthalmology at the Bascom Palmer Eye

Institute and specializes in medical and surgical treatment of diseases of the retina and vitreous. He received a Bachelor

of Science Degree at Wake Forest University and his Doctor of Medicine Degree at the University Of Virginia (UVA), School of Medicine. After an internship at the California Pacific Medical Center (CPMC) in San Francisco, Dr. Flynn returned to UVA for residency and to CPMC for retina fellowship. Dr. Flynn completed two years of active duty in the United States Army at the Brooke Army Medical Center in San Antonio. He joined the faculty at Bascom Palmer Eye Institute in 1978. Dr. Flynn has been author or co-author of more than 556 peer-reviewed publications as well as 104 book chapters. He has edited or co-edited 7 books including 1) *Diabetes and Ocular Diseases: Past, Current, and Future Therapies* (2010) 2) *Vitreoretinal Disease: The Essentials* (2018) 3) *Endophthalmitis in Clinical Practice* (2018). Dr. Flynn had held numerous administrative positions including President: The Vitreous Society (1992-1993), President: The Miami Ophthalmological Society (1999) and President: The Retina Society (2002-2003). Dr. Flynn has served as Senior Editor for Section 12 (Retina) of the Basic and Clinical Science Course for the American Academy of Ophthalmology (AAO). He has also served as Co-Director of the Retina Subspecialty Day for the American Academy of Ophthalmology. He serves on the Editorial Board of numerous journals including the *American Journal of Ophthalmology*, *RETINA*, *OSLI: RETINA*, and *Evidence Based Ophthalmology*. He has served on the Data and Safety Monitoring Committees for DRCR Network, SCORE Study, Regeneron VIEW 1 and VIEW 2 Studies and Neurotech MacTel Study. He received the AAO Life Achievement Honor Award in 2008. Dr. Flynn received the Shaler Richardson, M.D "Service to Medicine Award" from the Florida Society of Ophthalmology. He received the "Hermann Wacker Award" from the Club Jules Gonin in 2012. He has delivered 31 named lectures including the "J. Donald M. Gass Lecture" at the Retina Society in 2012. In 2014, he received the "Honorary Alumnus" recognition from AOA of UVA School of Medicine. In October 2016, he delivered the Charles L. Schepens, MD Award Lectureship at the AAO annual meeting. In September 2017, he delivered the Relja Zivojnovic Award Lecture at the European Vitreoretinal Society. In October 2017, he delivered the David Pearce Lecture and Award at the Combined Ophthalmology Symposium of Columbia & Weill/Cornell. In November 2017, he received the "Secretariat Award" from the AAO for academic contributions in Ophthalmology. In 2018, he was honored to be among "The Top 100 Most Influential People in the World of Ophthalmology."



Judy E. Kim, MD is a graduate of the University of Chicago, Johns Hopkins University School of Medicine, and Howard Hughes Medical Institute-National Institutes of Health Research Scholars Program. She completed her

ophthalmology residency at the Bascom Palmer Eye Institute of the University of Miami and vitreoretinal fellowship at the Medical College of Wisconsin (MCW). Currently she is a Professor of Ophthalmology and Visual Sciences with tenure at the MCW. She is the first Korean-American to become a member of the American Ophthalmological Society and to become a member of all three US retina societies (ASRS, Retina, and Macula), and the second Korean-American to become a Professor of Ophthalmology in the United States and the first to do so in Retina. Dr. Kim has received numerous national awards and honors, especially for her clinical excellence, leadership, and service to organizations. She has given over 150 invited presentations and over 100 national and international presentations. She has been actively involved with over 60 multicenter clinical trials. In addition to diabetic retinopathy and age-related macular degeneration, her research interests include surgical retina, telemedicine, ocular imaging, and community engaged research.



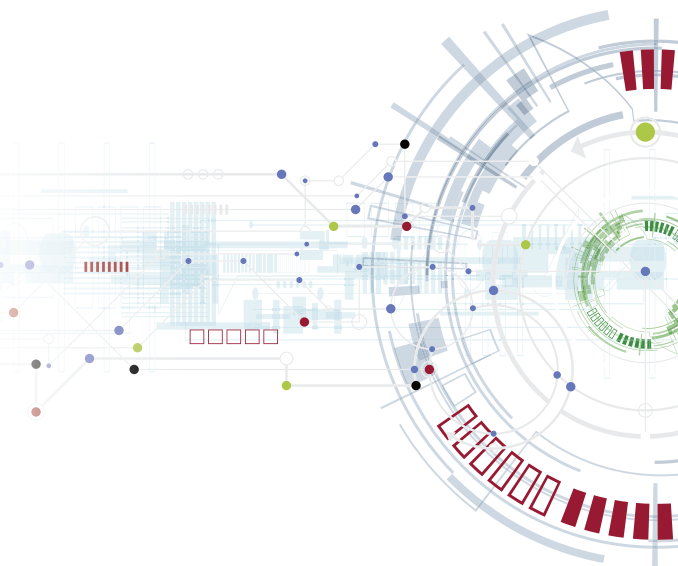
Darius M. Moshfeghi, MD is a Professor of Ophthalmology and Director of Retina at the Byers Eye Institute, Horngren Family Vitreoretinal Center, Department of Ophthalmology at the Stanford University School

of Medicine. He was the founding director of the Stanford Vitreoretinal Surgery and Medical Diseases Fellowship. He is the Founder and Director of Stanford University Network for Diagnosis of Retinopathy of Prematurity (SUNDRP) and leads the Newborn Eye Screen Testing program and Global Universal Eye Screen Testing programs at Stanford University, which seek to explore the benefits of universal eye screening of normal term infants. He is actively involved in entrepreneurial activities, serving as a founder of Pr3vent, dSenz, Promisight, Visunex, and Versl, and leading the scientific advisory board for Visunex. He serves on the Board of Directors of 1800 Contacts and is actively engaged in promoting telemedicine to expand access of eye care and vision for all. He currently serves on the American Academy of Ophthalmology Telemedicine Working Group and previously sat on the ROP Telemedicine Task Force Panel. His guiding philosophy is to work with ethical, innovative people to solve important problems for society.










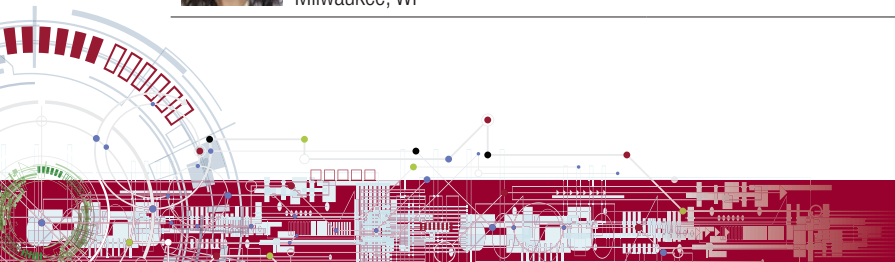
Charles C. Wykoff, MD, PhD is Director of Research, Retina Consultants of Houston; Deputy Chair for Ophthalmology, Blanton Eye Institute; and Associate Professor of Ophthalmology, Weill Cornell Medical College,

Houston Methodist Hospital, Houston Texas. He received his baccalaureate from MIT, PhD from Oxford University, and MD from Harvard University. He completed retina training at Bascom Palmer Eye Institute where he served as Chief Resident/Co-Director of Ocular Trauma and received a Heed Fellowship and the Ronald G. Michels Award. Dr. Wykoff has expertise in clinical trial design and coordination, as well as translational research, publishing over 100 peer-reviewed scientific articles. His research interests pertain to angiogenesis and retinal vascular diseases as well as vitreoretinal surgical topics. He has been awarded the AAO Achievement and Secretariat Awards, as well as the ASRS Honor and Senior Honor Awards. He is an elected member of The Retina Society and The Macula Society, performs editorial responsibilities including serving as a founding member of the *Ophthalmology Retina* Editorial Board, and holds leadership positions in scholarly societies including actively serving as the Academic Program Director for the Vit-Buckle Society.



TOP 15 FINALISTS (in alphabetical order)

Finalist	Presentation Title
 <p>Joshua Barnett, MD, PhD Chief Resident Vanderbilt Eye Institute Nashville, TN</p>	<i>Role of Bile Acid Metabolites as Inhibitors of Neovascular Age-related Macular Degeneration in Vitro</i>
 <p>Dianne Barrett, MD Resident Ruiz Department of Ophthalmology and Visual Science, McGovern Medical School at The University of Texas Health Science Center Houston, TX</p>	<i>Retinal Changes in Migraine and Correlation to Duration and Severity of Disease</i>
 <p>John Chancellor, MD, MS Resident Jones Eye Institute, University of Arkansas for Medical Sciences Little Rock, AR</p>	<i>The Influence of Diabetic Retinopathy on the Visual Outcome of Cataract Surgery</i>
 <p>Kenneth C. Fan, MD, MBA Resident Bascom Palmer Eye Institute University of Miami Miami, FL</p>	<i>In Vitro Susceptibilities of Vitreous Candida Endophthalmitis Isolates to Novel and Traditional Antifungal Agents</i>
 <p>Annalisa Gurreri, MD Resident University of Bologna Bologna, Italy</p>	<i>Role of Statins and Ascorbic Acid in the Natural History of Diabetic Retinopathy: A New Affordable Therapy?</i>
 <p>Kirk Hou, MD, PhD Resident Stein Eye Institute, David Geffen School of Medicine at UCLA Los Angeles, CA</p>	<i>Characterization of Pseudoflow Artifact in OCT Angiography of Macular Edema</i>
 <p>Eileen S. Hwang, MD, PhD Fellow Froedtert Eye Institute Medical College of Wisconsin Milwaukee, WI</p>	<i>Validity of Spectral Domain Optical Coherence Tomography of the Macula for Staging of Posterior Vitreous Detachment</i>



Finalist	Presentation Title
 Sana Idrees, MD Resident Flaum Eye Institute University of Rochester Rochester, NY	<i>Evaluating Refractive Outcomes After Scleral-Sutured Bausch & Lomb Akreos AO60 Intraocular Lens Implantation</i>
 Darren Knight, MD Resident Gavin Herbert Eye Institute University of California Irvine Irvine, CA	<i>Retinal Morphology and its Influence on Operative Outcomes in Refractive Lens Exchange Patients</i>
 Brett Malbin, MD Resident Kresge Eye Institute Wayne State University Detroit, MI	<i>Intravenous Prostaglandin E1 Infusion for Acute Central Retinal Artery Occlusion</i>
 Ravi Parikh, MD, MPH Fellow Massachusetts Eye and Ear Harvard Medical School Boston, MA	<i>Ziv-aflibercept and Bevacizumab for Exudative Age-Related Macular Degeneration: A Retrospective Comparison of Clinical Outcomes and Cost at 1 Year</i>
 Nimesh A. Patel, MD Fellow Bascom Palmer Eye Institute University of Miami Miami, FL	<i>Novel Use of Fluorescence In Situ Hybridization (FISH) for the Rapid Detection of Pathogens in Endophthalmitis and Keratitis</i>
 Tapan P. Patel, MD, PhD Resident Kellogg Eye Center University of Michigan Ann Arbor, MI	<i>Smartphone-based Fundus Photography for Screening of Plus-disease Retinopathy of Prematurity</i>
 Kareem Sioufi, MD Resident Medical University of South Carolina Charleston, SC	<i>Quantification of Optical Coherence Tomography Angiography Metrics and Their Relationship to Visual Acuity in Eyes Treated with Plaque Radiotherapy for Uveal Melanoma</i>
 Bilong Yannick, MD Fellow The University of Yaounde I Yaounde, Africa	<i>Validation of MIIRetCam (Make in India Retina Camera) Based Smartphone Retinal Photography for Diabetic Retinopathy Screening</i>

AGENDA

Time	Detail	Presenter(s)
4:00pm	Welcome & Introductions	Sheryl Stevenson, <i>Ophthalmology Times</i> Group Editorial Director
4:05pm	Program Overview & Introduction of Judges	Rishi P. Singh, MD — Program Chair Harry W. Flynn, Jr., MD — Judge (and Keynote speaker) Judy E. Kim, MD — Judge Darius M. Moshfeghi, MD — Judge Charles C. Wykoff, MD, PhD — Judge
4:10pm	Presentations begin <i>*Each Fellow/Resident presenter will have 7 minutes to present followed by 3 minutes of feedback from the judges</i>	Presentation Order: Assigned onsite upon check-in
5:00pm	15 Minute Break	
6:05pm	10 Minute Break	
7:05pm	Awards Reception	
7:20pm	Keynote Speaker	Harry W. Flynn, Jr., MD — Keynote speaker
	Awards Presentation: Top 5 (which will be published in <i>OLSI Retina</i> in 2019) » 5th Place Finalist » 4th Place Finalist » 3rd Place Finalist » 2nd Place Finalist » 1st Place Winner	Rishi P. Singh, MD — Program Chair
8:30pm	Program Concludes	

Ophthalmology Times

Ophthalmology Times wishes to thank the sponsors of this program, our expert panel of judges, and the participants of the 2018 *Ophthalmology Times* Research Scholar Honoree program.

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